

Presentation by

Mr. Ejoe Tso
Dr. Peter Yau

Hong Kong Institute of Vocational Education
University of Glasgow , Singapore

Using Digital Badges to Track Student Portfolios in Vocational Education



MR. EJOETSO



Lecturer & Deputy Program Coordinator
Hong Kong Institute of Vocational Education

DR. PETER YAU

Assistant Professor (Computing Science)
Learning and Teaching Scholarship
University of Glasgow, Singapore



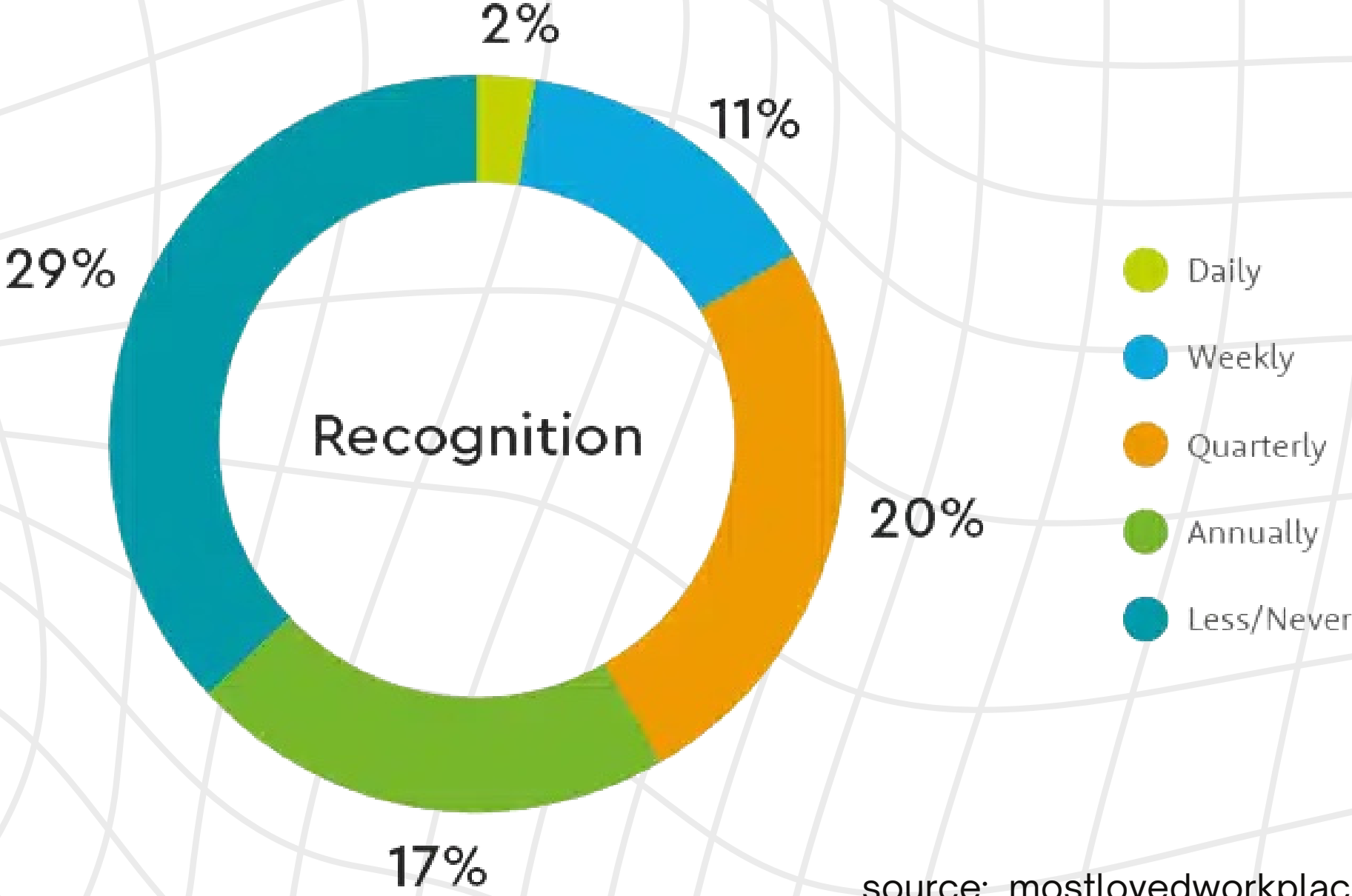
Abstract

- Digital badges **enhance student success** in vocational education by connecting classroom learning with real-world internships.
- **A pilot digital badge system** was used to track student portfolios during internships.
- **Surveys were conducted** with students, employers, and teachers after the pilot launch.
- **Positive feedback** from all stakeholders indicated the success and feasibility of using digital badges for tracking vocational education internships.

Introduction

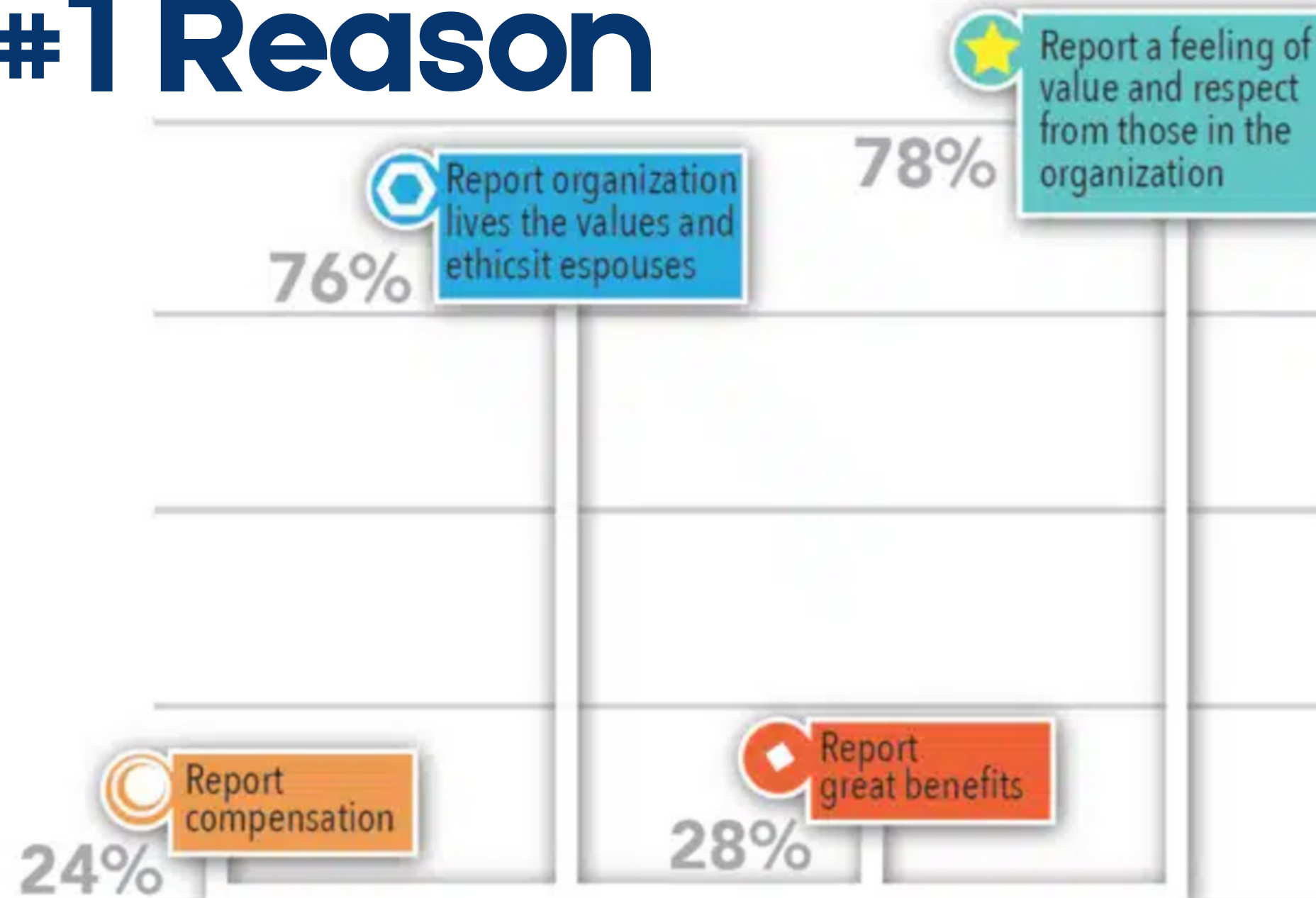
- Traditional paper certificates encounter challenges: **fraud, lack of skill verification, and vulnerability to loss.**
- Digital badges utilizing **blockchain technology** have been developed to address these issues.
- Digital badges provide a **secure** and convenient means of **tracking** student credentials and achievements.
- The innovative approach represents a **shift towards** a more **robust and reliable** credentialing system in education.

How often do you receive recognition at work?



source: mostlovedworkplace.com

A Feeling of Value and Respect is #1 Reason



source: mostlovedworkplace.com

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Objectives

01



Implement digital badge system to track student achievements

02



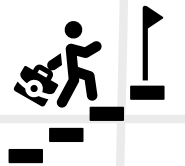
Provide detailed records of competencies gained

03



Enable students to showcase credentials and talents

04



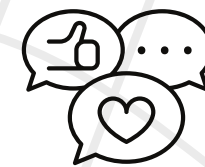
Assist employers in recruiting qualified candidates

05



Help advance student careers and lifelong learning

06

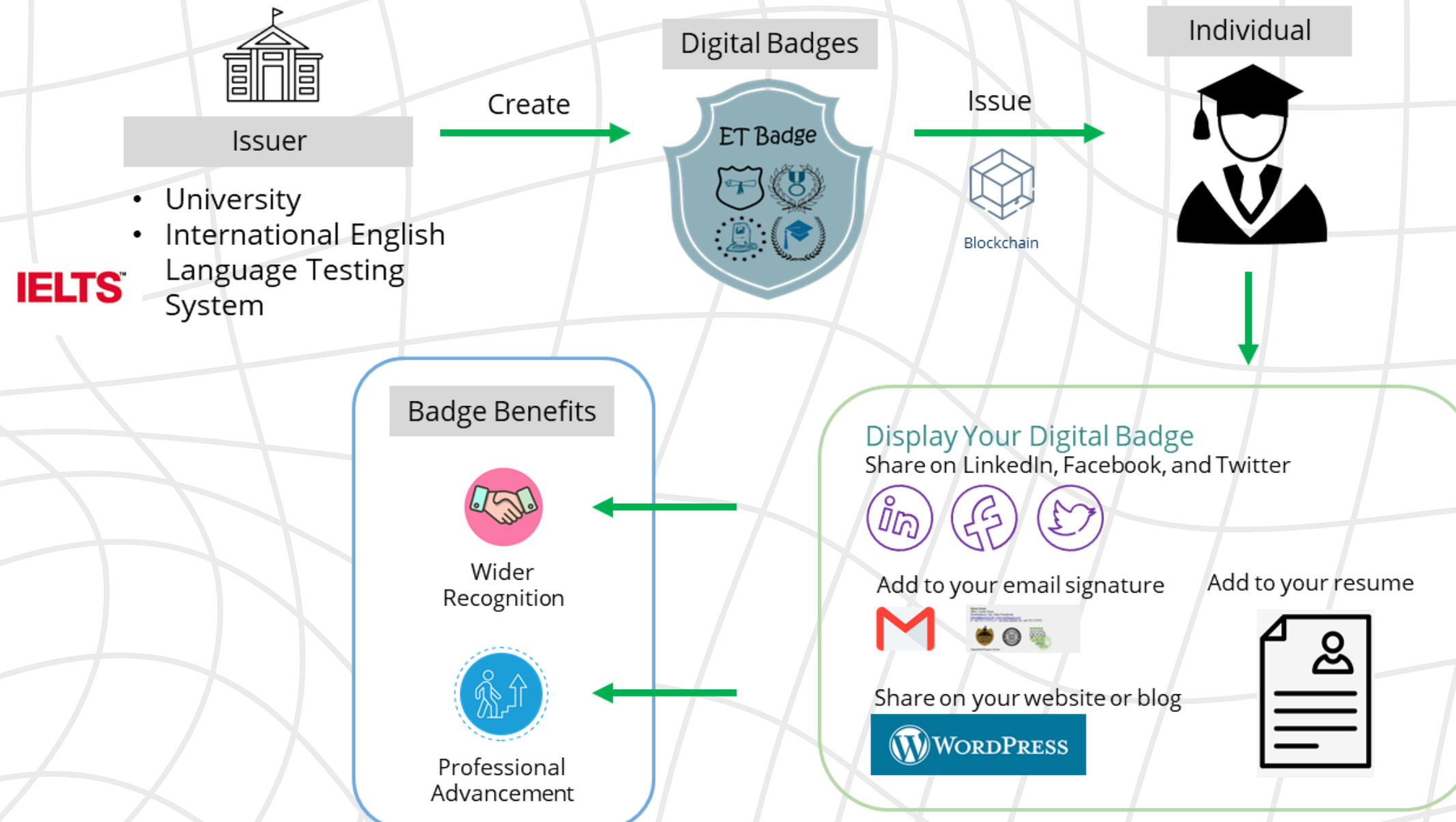


Gather ongoing user feedback for improvements

07

Expand system to more vocational education programs

What are Digital Badges



Digital Badges in Vocational Education



BENEFITS

- **Motivate** learning through **milestone goals**
- **Showcase credentials** to employers
- **Portable and stackable** achievements
- **Validate** applied skills and experience
- **Supplement** transcripts and resumes

CHALLENGE

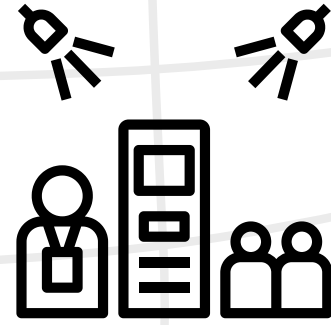
- **Technology integration** and support
- **Ensuring credibility** and standards
- **Aligning** badges with **learning outcomes**
- **Training** students and employers on use

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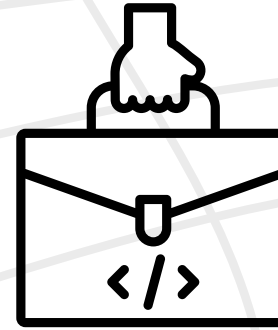
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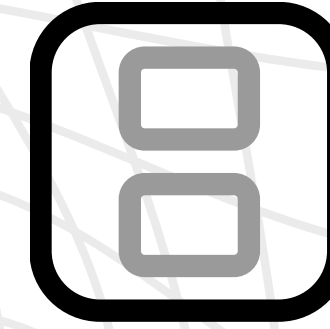
Provide goals and incentive through micro-credentialing



Highlight granular skills and achievements for careers



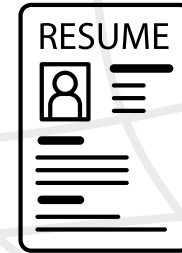
Share credentials across contexts and platforms



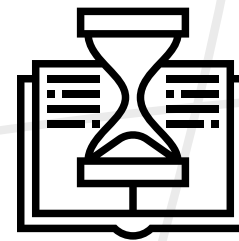
Accumulate credentials toward broader qualifications



Verify competencies gained through work experience



Show distinctive achievements beyond grades /degrees

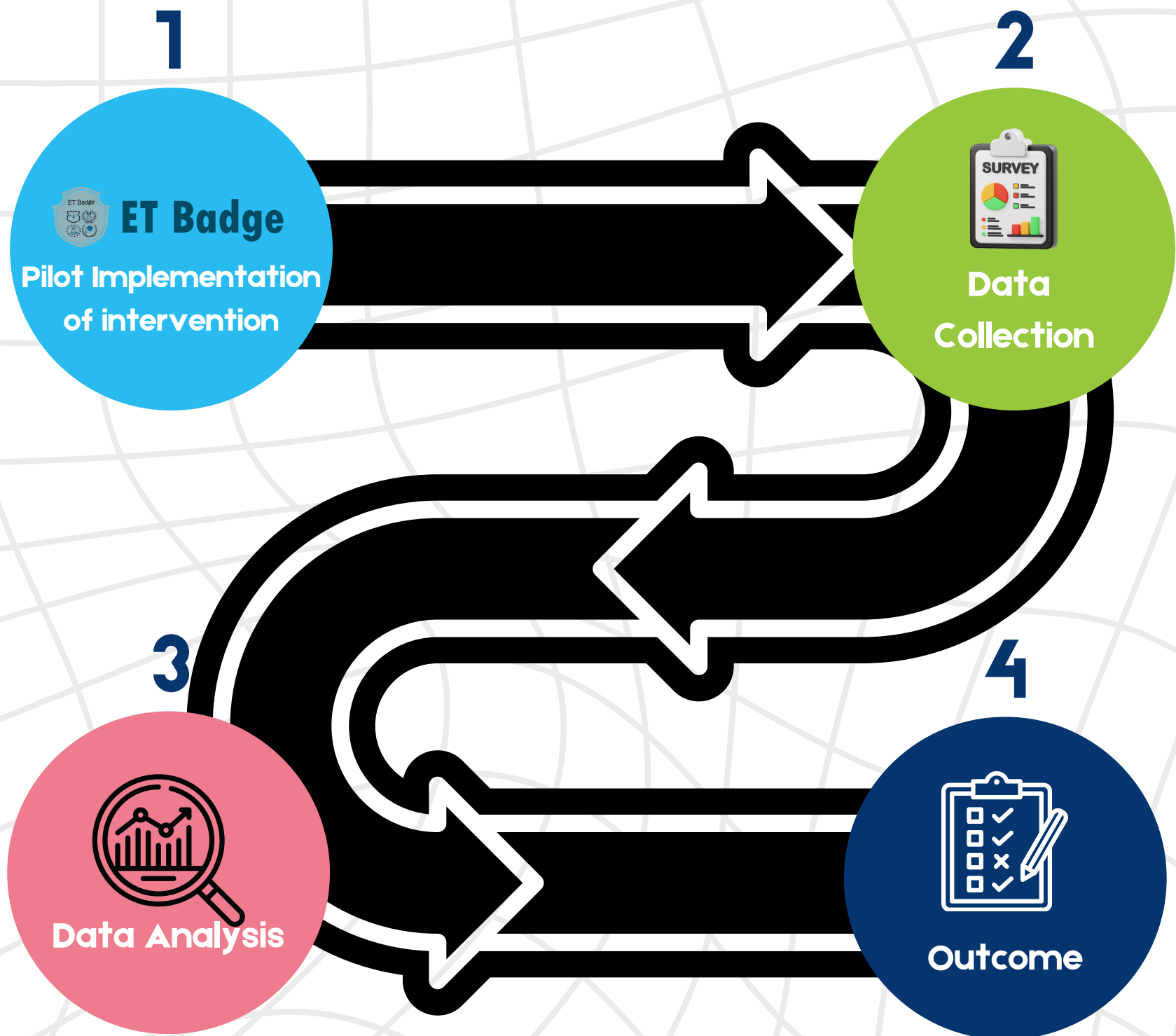


Enable continual skill building throughout careers

Benefits of Digital Badges

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Methodology

Exploratory Single Case Study Framework

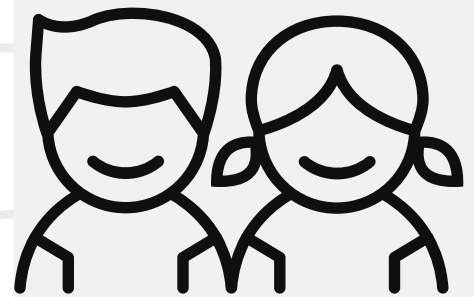
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Assist employers in finding candidates?



Benefit Student Professional profiles?

Advance Student careers?

Research Questions

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Implementation Plan - Digital Badge

Phase 2 - Evaluation

- Train users
- Run pilot for set time
- Survey users
- Analyze data
- Assess outcomes

02

Phase 1 - Pilot System

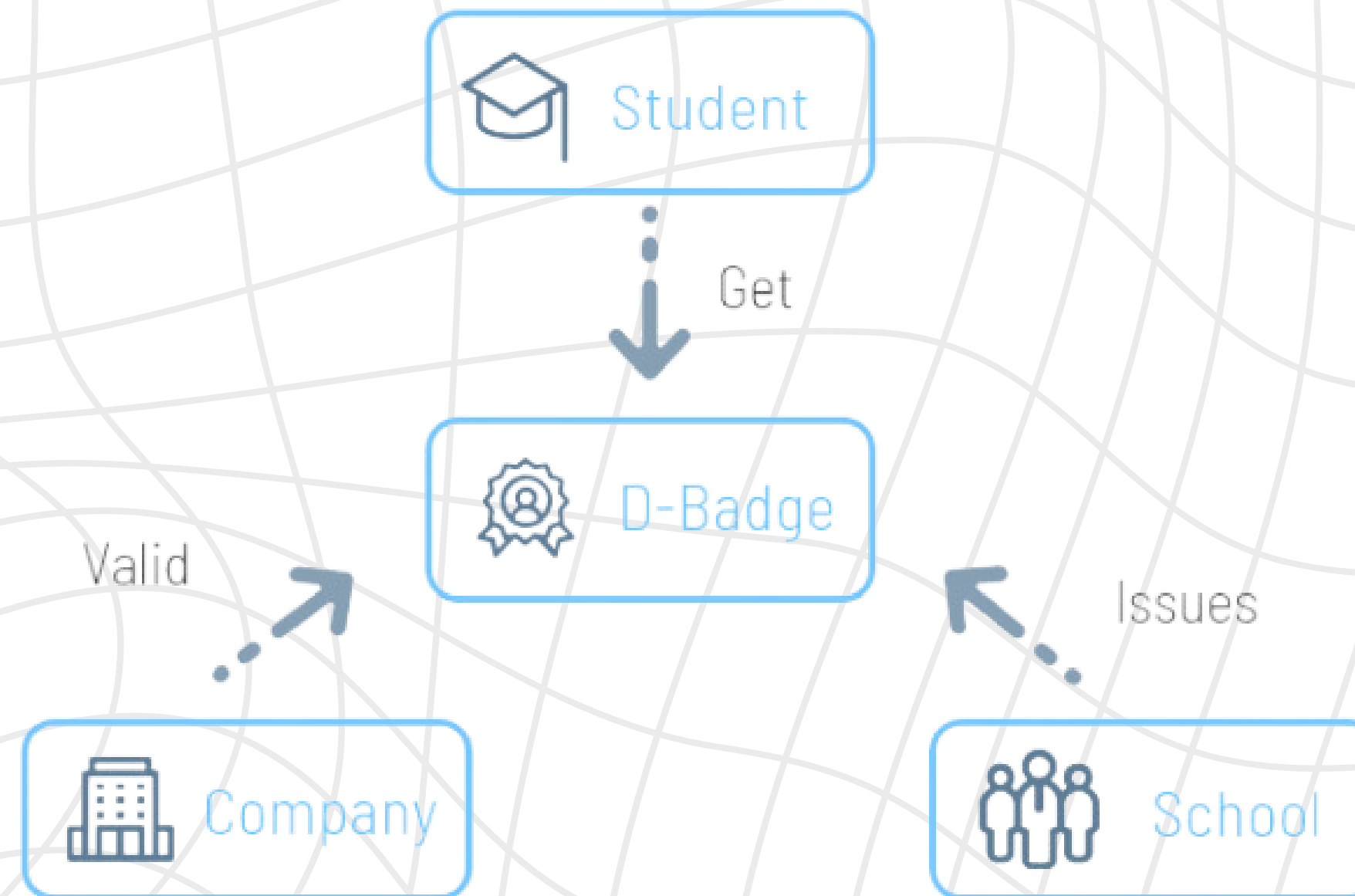
- Select Platform
- Customize for vocational programs
- Design earning process
- Develop user account
- Test Functionality and Launch pilot

03

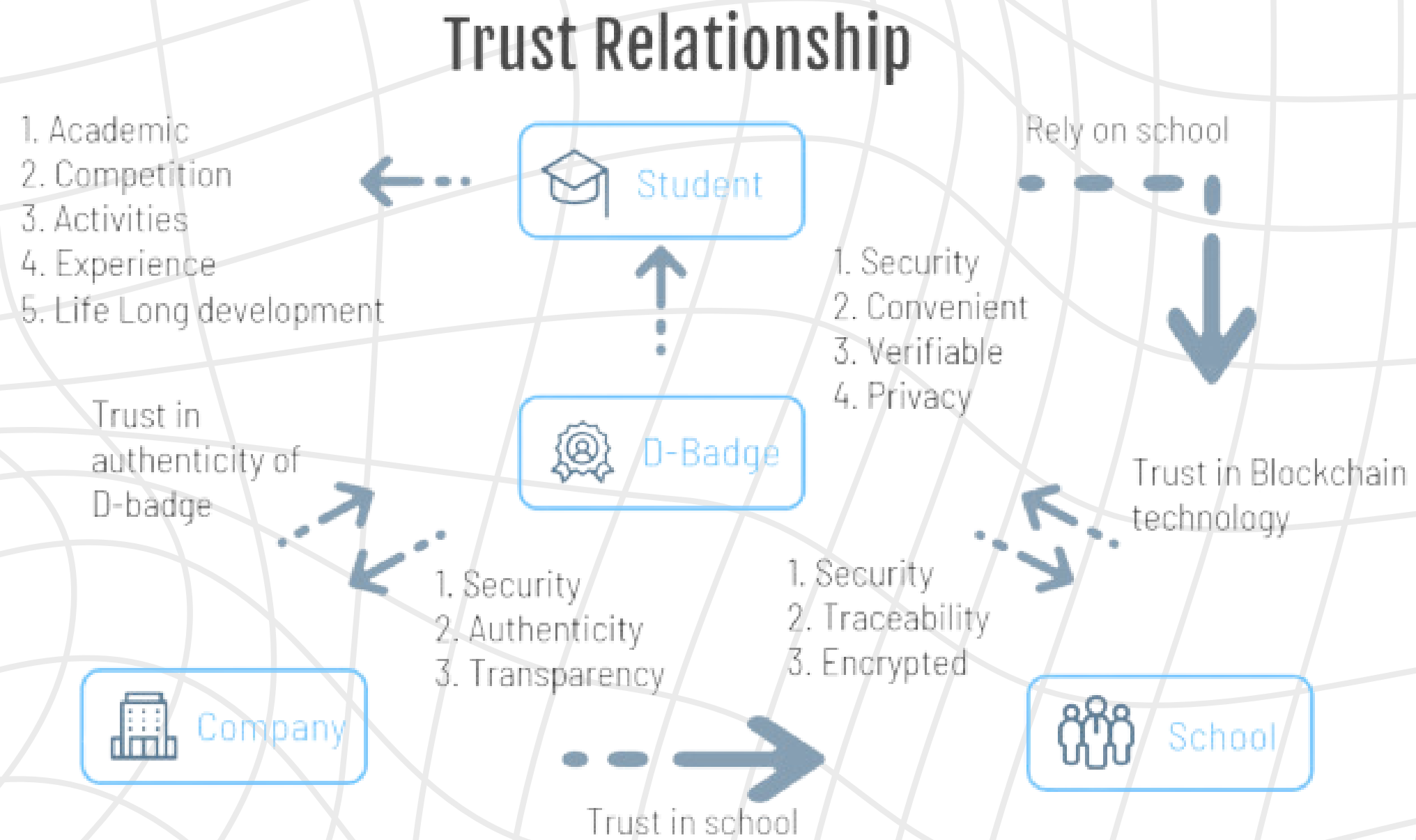
Phase 3

- Refine system
- Expand programs
- Allocate resources
- Transition to production
- Market benefits
- Collect ongoing feedback

Digital Badge Core Concepts



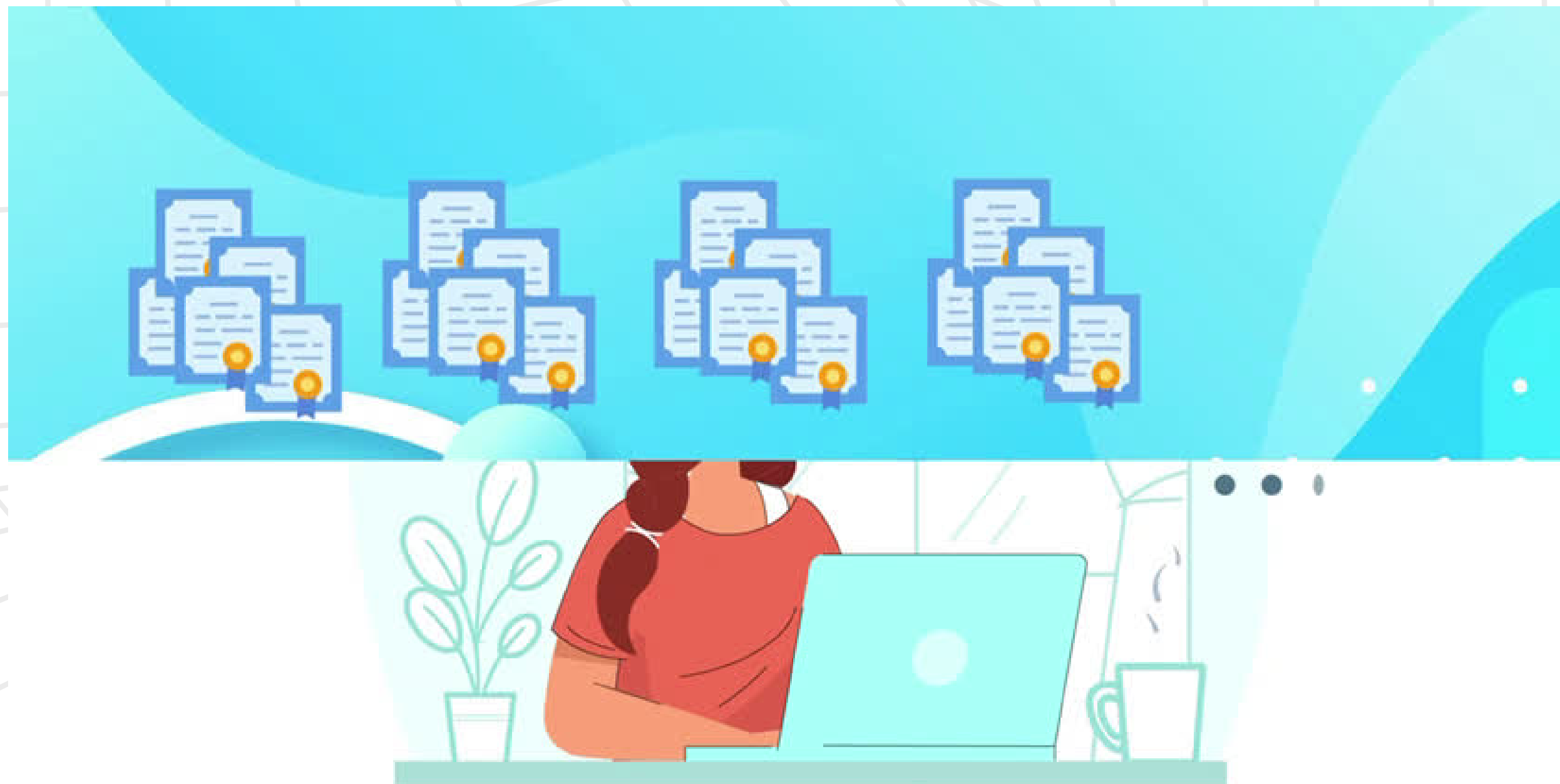
Digital Badge - Trust Relationship



Digital Badge - Process of Earning badge



Demonstrations



it is estimated around 20,000 credentials would be issued in ten years.

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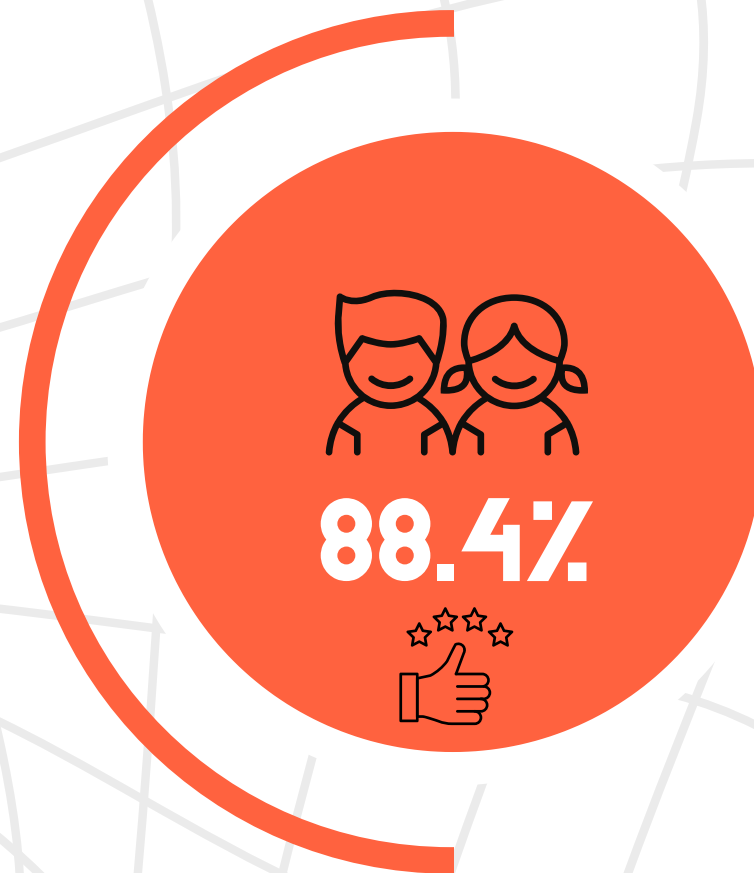
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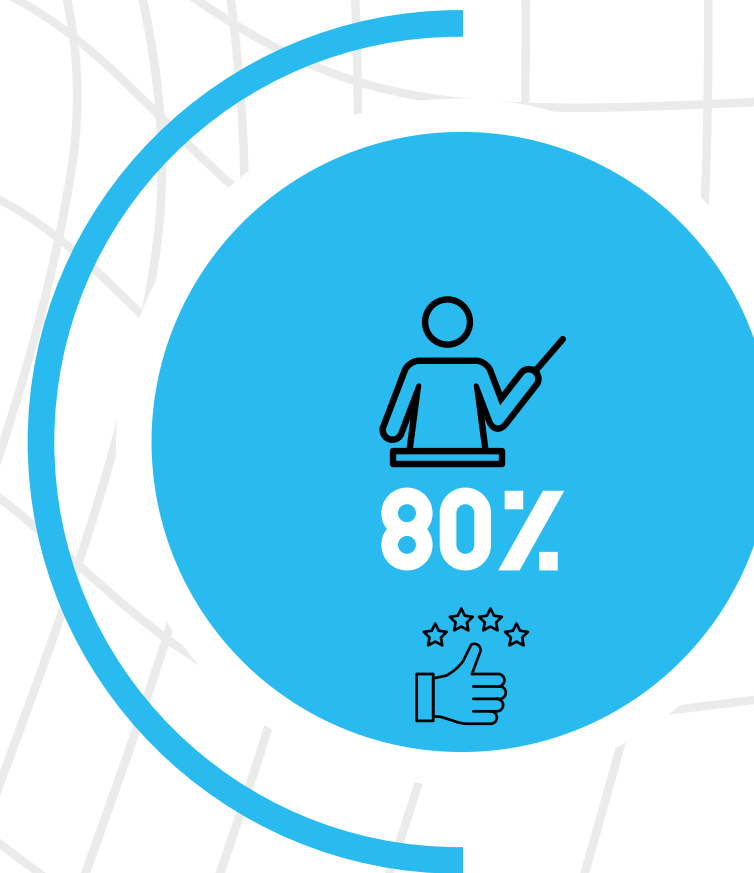
Result



Value verifying skills



Value for career building



Better track progress

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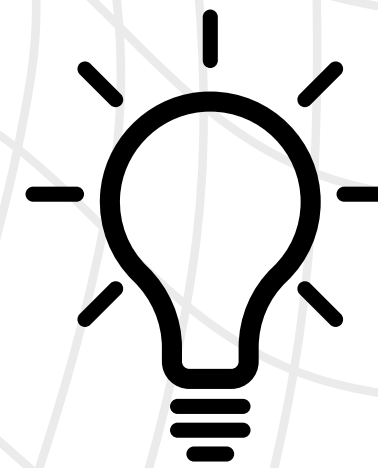
Conclusion



Successful customized
pilot badge system



Value for tracking portfolios
and competencies



Potential to expand to more
vocational programs



Positive user experience and
stakeholder perceptions



Benefits for advancing
student careers

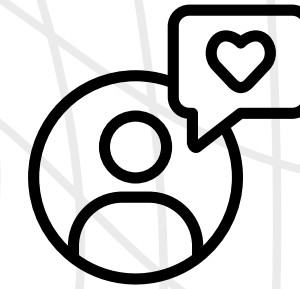
Recommendations



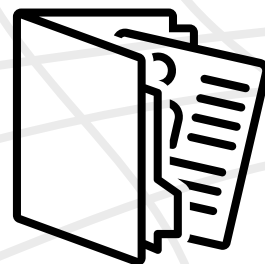
Expand digital badge system more broadly



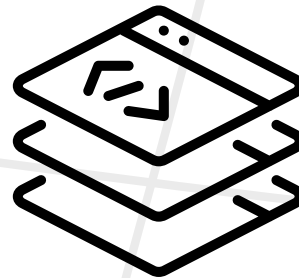
Make it integral part of vocational programs



Continuously collect user feedback for improvements



Enhance system for complete student records



Incorporate additional vocational program



Market benefits to all stakeholders

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Thank You!

Three white dots are arranged vertically on the left side of the footer bar.

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